

PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 3

Complete if Known

Application Number	10/633,464
Filing Date	July 31, 2003
First Named Inventor	Detering et al.
Group Art Unit	1742
Examiner Name	S. Kastler
Attorney Docket Number	EGG-PI-413 RE/RE

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
SK		2,475,282	07/1949	Hasche	
		2,552,308	05/1951	Buchmann et al.	
		2,686,195	08/1954	McAdams et al.	
		3,668,108	06/1972	Houseman	
		3,682,142	08/1972	Newkirk	
		3,848,068	04/1971	Rice	
		3,891,562	06/1975	Mogensen et al.	
		3,914,573	10/1975	Muehlberger	
		3,976,442	08/1976	Paull et al.	
		3,989,512	11/1976	Sayce	
		4,182,746	01/1980	Myint	
		4,309,359	01/1982	Pinto	
		4,315,893	02/1982	McCallister	
		4,670,359	06/1987	Beshry et al.	
		4,833,170	05/1989	Agee	
		4,844,437	07/1989	Heck et al.	
		5,017,196	05/1991	Dewitz	
		5,110,565	05/1992	Weimer et al.	
		5,409,784	04/1995	Bromberg et al.	
SK		5,425,332	06/1995	Rabinovich et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
SK		GB 1 248 595	10/06/1971	Ionarc Smelters Ltd.		
		EP 0 282 291 B1	06/24/1992	Saiki et al.		
		WO 93/12205	06/24/1993	Lynum et al.		
		EP 0 618 951 B1	09/04/1996	Lynum et al.		
		WO 96/28577	09/1996	Detering et al.		
		WO 98/19965	05/14/1998	Sethuram et al		
		WO 01/58625 A1	08/16/2001	Deegan et al.		
SK		WO 01/78471 A1	10/18/2001	Johnson		

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SK		5,437,250	08/1995	Rabinovich et al.	
		5,451,738	09/1995	Alvi et al.	
		5,481,080	01/1996	Lynum et al.	
		5,486,313	01/1996	De Jong et al.	
		5,538,706	07/1996	Kapoor et al.	
		5,500,501	03/1996	Lynum et al.	
		5,527,518	06/1996	Lynum et al.	
		5,582,927	12/1996	Andricacos et al.	
		5,723,505	03/1998	Chaumette et al.	
		5,725,616	03/1994	Lynum et al.	
		5,733,941	03/1998	Waycullis	
		5,852,927	12/1998	Cohn et al.	
		5,861,441	01/1999	Waycullis	
		5,883,138	03/1999	Hershkowitz et al.	
		5,886,056	03/1999	Hershkowitz et al.	
		5,887,554	03/1999	Cohn et al.	
		5,984,997	11/1999	Bickmore et al.	
		6,127,645	10/2000	Titus et al.	
		6,187,226 B1	02/2001	Detering et al.	
		6,395,197	05/2002	Detering et al.	
		RE 37,853	09/2002	Detering et al.	
		2004/0208805	10/2004	Fincke et al.	
SK		6,821,500	11/2004	Fincke et al.	

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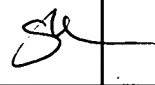
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		European Search Report dated April 9, 2003.	
		Olsen et al., "Unit Processes and Principles of Chemical Engineering," D. Van Nostrand Co., Inc., July 5, 1932, pages 1-3.	

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